

L Number	Hits	Search Text	DB	Time stamp
-	22	tool adj reworking	USPAT; US-PGPUB; IBM_TDB	2003/07/17 15:41
-	11	VHDM adj connector	USPAT; US-PGPUB; IBM_TDB	2003/12/05 19:14
-	73	tool and (press adj fit adj connector)	USPAT; US-PGPUB; IBM_TDB	2003/12/05 19:15
-	17	tool same (press adj fit adj connector)	USPAT; US-PGPUB; IBM_TDB	2003/12/05 19:19
-	1	tool near (repair\$3 or rework\$3 or fix\$3) same ((press-fit or (press adj fit)) adj connector)	USPAT; US-PGPUB; IBM_TDB	2003/12/05 19:21
-	1	tool near (repair\$3 or rework\$3 or fix\$3) same ((press-fit or (press adj fit) or VHDM) adj connector)	USPAT; US-PGPUB; IBM_TDB	2003/12/05 19:22
-	622	tool near (repair\$3 or rework\$3 or fix\$3) and connector	USPAT; US-PGPUB; IBM_TDB	2003/12/05 19:21
-	2	tool near (repair\$3 or rework\$3 or fix\$3) and ((press-fit or (press adj fit) or VHDM) adj connector)	USPAT; US-PGPUB; IBM_TDB	2003/12/05 19:22
-	74	tool and ((press-fit or (press adj fit) or VHDM) adj connector)	USPAT; US-PGPUB; IBM_TDB	2003/12/08 11:22
-	38	(device or apparatus or machine or equipment or tool) with (repair\$3 or rework\$3 or fix\$3) and ((press-fit or (press adj fit) or VHDM) adj connector)	USPAT; US-PGPUB; IBM_TDB	2003/12/08 11:06
-	1	29/854.ccls. and tool and ((press-fit or (press adj fit) or VHDM) adj connector)	USPAT; US-PGPUB; IBM_TDB	2003/12/08 11:22
-	4	(29/842,426.2,762,739,740,741,744).ccls. and tool and ((press-fit or (press adj fit) or VHDM) adj connector)	USPAT; US-PGPUB; IBM_TDB	2003/12/08 11:24
-	4	(439/751).ccls. and tool and ((press-fit or (press adj fit) or VHDM) adj connector)	USPAT; US-PGPUB; IBM_TDB	2003/12/08 11:25
-	1	("6540564").PN.	USPAT; US-PGPUB; IBM_TDB	2003/12/08 11:46
-	1071	(device or apparatus or machine or equipment or tool) with (repair\$3 or rework\$3) same (connector)	USPAT; US-PGPUB; IBM_TDB	2003/12/08 11:54
-	3	(device or apparatus or machine or equipment or tool) with (repair\$3 or rework\$3) same (connector) and ((press-fit or (press adj fit) or VHDM) adj connector)	USPAT; US-PGPUB; IBM_TDB	2003/12/08 12:21
-	49	(device or apparatus or machine or equipment or tool) with (repair\$3 or rework\$3) same (connector) and jaw	USPAT; US-PGPUB; IBM_TDB	2003/12/08 12:11
-	1	439/751.ccls. and (device or apparatus or machine or equipment or tool) with (repair\$3 or rework\$3) and connector	USPAT; US-PGPUB; IBM_TDB	2003/12/08 12:12
-	0	20030049972.URPN.	USPAT	2003/12/08 12:12
-	281	((press-fit or (press adj fit) or VHDM) adj connector)	USPAT; US-PGPUB; IBM_TDB	2003/12/08 12:21
-	0	tool adj removing with ((press-fit or (press adj fit) or VHDM) adj connector)	USPAT; US-PGPUB; IBM_TDB	2003/12/08 12:22
-	0	tool adj removing and ((press-fit or (press adj fit) or VHDM) adj connector)	USPAT; US-PGPUB; IBM_TDB	2003/12/08 12:22

-	74	tool and ((press-fit or (press adj fit) or VHDM) adj connector)	USPAT; US-PGPUB; IBM_TDB	2003/12/08 12:23
-	5	tool and (repair\$3 or remov\$3 or rework\$3) with ((press-fit or (press adj fit) or VHDM) adj connector)	USPAT; US-PGPUB; IBM_TDB	2003/12/08 12:44
-	15	4619495.URPN.	USPAT	2003/12/08 12:38
-	2	housing adj remover and connector	USPAT; US-PGPUB; IBM_TDB	2003/12/08 12:46
-	1	("6138345").PN.	USPAT; US-PGPUB; IBM_TDB	2003/12/08 12:44
-	13	("4437232" "4611397" "4705311" "4733459" "4810018" "4831721" "5088187" "5092031" "5153983" "5160877" "5195235" "5509192" "5724722").PN.	USPAT	2003/12/08 12:45
-	4	housing adj remover	USPAT; US-PGPUB; IBM_TDB	2003/12/08 13:21
-	2	6138345.URPN.	USPAT	2003/12/08 13:07
-	13	("4437232" "4611397" "4705311" "4733459" "4810018" "4831721" "5088187" "5092031" "5153983" "5160877" "5195235" "5509192" "5724722").PN.	USPAT	2003/12/08 13:08
-	30	housing near remover	USPAT; US-PGPUB; IBM_TDB	2003/12/08 13:21
-	1	(housing near remover) near tool	USPAT; US-PGPUB; IBM_TDB	2003/12/08 13:24
-	4950	(hous\$3 or shell near remover) near tool	USPAT; US-PGPUB; IBM_TDB	2003/12/08 13:30
-	4855	((house or housing) or shell near remover) near tool	USPAT; US-PGPUB; IBM_TDB	2003/12/08 13:29
-	1	((house or housing) near remover) near tool	USPAT; US-PGPUB; IBM_TDB	2003/12/08 13:29
-	0	((shell) near remover) near tool	USPAT; US-PGPUB; IBM_TDB	2003/12/08 13:29
-	1	((house or housing or shell) near remover) near tool	USPAT; US-PGPUB; IBM_TDB	2003/12/08 13:30
-	1	(hous\$3 or shell) near remover near tool	USPAT; US-PGPUB; IBM_TDB	2003/12/08 13:30
-	12	(hous\$3 or shell) near remover and tool	USPAT; US-PGPUB; IBM_TDB	2003/12/08 13:30
-	263	(hous\$3 or shell) near extract\$3 and tool	USPAT; US-PGPUB; IBM_TDB	2003/12/08 13:33
-	0	(hous\$3 or shell) near extract\$3 and tool and ((press-fit or (press adj fit)) adj connector)	USPAT; US-PGPUB; IBM_TDB	2003/12/08 13:35
-	1	(hous\$3 or shell) near extract\$3 and tool and ((high adj density) adj connector)	USPAT; US-PGPUB; IBM_TDB	2003/12/08 13:36
-	0	(hous\$3 or shell) near extract\$3 and tool and ((vhdm) adj connector)	USPAT; US-PGPUB; IBM_TDB	2003/12/08 13:36
-	91	(hous\$3 or shell) near extract\$3 and tool and connector	USPAT; US-PGPUB; IBM_TDB	2003/12/08 13:43

-	1	("5790651").PN.	USPAT; US-PGPUB; IBM_TDB USPAT	2003/12/08 13:46
-	10	5790651.URPN.	USPAT	2003/12/08 13:44
-	0	("(remov\$3nearmodule)andjaw").PN.	USPAT; US-PGPUB; IBM_TDB USPAT	2003/12/08 13:47
-	99	(remov\$3 near module) and jaw	USPAT; US-PGPUB; IBM_TDB USPAT	2003/12/08 13:47
-	57	(remov\$3 near module) and jaw and connector	USPAT; US-PGPUB; IBM_TDB USPAT	2003/12/08 13:48
-	8	("3896533" "4521959" "4583287" "4666199" "4800647" "4866838" "4873761" "5062201").PN.	USPAT	2003/12/08 13:53
-	6	5230143.URPN.	USPAT	2003/12/08 13:56
-	6	5230143.URPN.	USPAT	2003/12/08 14:05
-	10	("3896535" "4141138" "4604796" "5075960" "5230143" "5265328" "5440803" "5479669" "5926948" "6098814").PN.	USPAT	2003/12/08 14:06
-	13	("4437232" "4611397" "4705311" "4733459" "4810018" "4831721" "5088187" "5092031" "5153983" "5160877" "5195235" "5509192" "5724722").PN.	USPAT	2003/12/08 15:06

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(72)Inventor : AOKI FUMIO

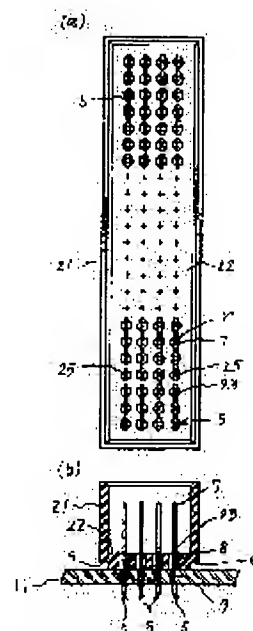
(54) PRESS-IN CONNECTION TYPE CONNECTOR AND HOUSING EXTRACTING EQUIPMENT OF THIS CONNECTOR

(57)Abstract:

PROBLEM TO BE SOLVED: To enable to replace or repair a fault terminal unit or housing of a connector, which is connected by press-in to a circuit board.

SOLUTION: By forming a penetrating space 25, which accompanies a shoulder part side in the housing of the connector, to which the housing 21, the shoulder part 8 of the terminal pin 5 is press-inserted, and in which an exterior pressing part 9, which follows a shoulder part, is connected by press-in to the through hole of the circuit board 11, only the housing is removed by pressing the shoulder part with the housing extracting equipment.

本発明は圧入接続型コネクタの一種の抜取装置



LEGAL STATUS

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